RPA780Ca01 50μg
Recombinant Lactoferrin (LTF)
Organism Species: Canis familiaris; Canine (Dog)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PROPERTIES]

Residues: Cys28~Lys351 (Accession # F1PR54), with two N-terminal Tags, His-tag and S-tag.

Host: *E. coli*

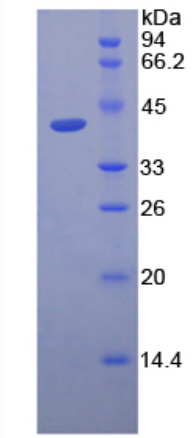
Purity: >95%

Endotoxin Level: <1.0EU per 1μg (determined by the LAL method).

Formulation: Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.

Predicted isoelectric point: 8.3

Predicted Molecular Mass: 41.1kDa



15% SDS-PAGE

Applications: SDS-PAGE; WB; ELISA; IP.
(May be suitable for use in other assays to be determined by the end user.)

[USAGE]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The target protein is fused with two N-terminal Tags, His-tag and S-tag, its sequence is listed below.

MHHHHHHSSG LVPRGSGMKE TAAAKFERQH MDSPDLGTDD DDKAMADIGS EF- CTT SKAEAKKCSK FQVNMKKVGG PIVSCTRKAS RQECIQAIKA NKADAVTLDG GLVFEAGLEP NKLRPIAAEV YGTQTKQQIH YYAVAIAKKG TNFQLNQLQG VRSCHTGLGR SAGWNIPIGT LRPFLNWTGP PEPLEEAVAK FFSASCVPCADGKQYPNLCR LCAGTEQNKC ACSSQEPYFG YSGAFKCLQD GAGDVAFVRD STVFENLPDK ADQDKYELLC LNNTRKPVDA FKDCHLARVP SHAVVARSVG GKEDLIWRLL QKAQENFGKD KSSAFQLFGS PSGEKDLLFK DSAIGFLRIP SNIDSELYLG FNYINAIQSL K

[REFERENCES]

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2. Sánchez L., Calvo M., Brock JH. (1992) Arch. Dis. Child. 67 (5): 657–61.
3. Arnold D., *et al.* (2002) Antiviral Res. 53 (2): 153–8.
4. Groves ML. (1960) Journal of the American Chemical Society 82 (13): 3345.